

QY 1 MOVDETLIPKVPKSLCSARYGIALVLHFCNFTTIAQVIMNITWAMVNSTSPQSOLNDS 60  
Db 1 MOVDETLIPKVPKSLCSARYGIALVLHFCNFTTIAQVIMNITWAMVNSTSPQSOLNDS 60  
QY 61 SEVLPVDSFGGLSKAPKSLPAKSSILGGGFAIWERGPPQERSRLCSIALSGMLLCFTA 120  
Db 61 SEVLPVDSFGGLSKAPKSLPAKSSILGGGFAIWERGPPQERSRLCSIALSGMLLCFTA 120  
QY 121 ILGGFSETLGPWFVYIFGGVGCVCCLLWPFVYIYDDPVSYPWISTSEKEYIISLKKQ 180  
Db 121 ILGGFSETLGPWFVYIFGGVGCVCCLLWPFVYIYDDPVSYPWISTSEKEYIISLKKQ 180  
QY 181 VGSSKOPLPKAMRLSLPWSICLGCFSHOWLSTWVVIPTIYSSVYHVNIRDNGLLSA 240  
Db 181 VGSSKOPLPKAMRLSLPWSICLGCFSHOWLSTWVVIPTIYSSVYHVNIRDNGLLSA 240  
QY 241 LPPIVAVWIGVGYLADFLTKKFLITVKTATILGSLPSSALIVSLPYLNSGYITAT 300  
Db 241 LPPIVAVWIGVGYLADFLTKKFLITVKTATILGSLPSSALIVSLPYLNSGYITAT 300  
QY 301 ALTLSCGLSTLCSQSGIYINVLDAIPRYSSFLMGASRGFSSINIVPTVSGFLLSQDPE 360  
Db 301 ALTLSCGLSTLCSQSGIYINVLDAIPRYSSFLMGASRGFSSINIVPTVSGFLLSQDPE 360  
QY 361 FGRNRFVFLFAVNLGLLFLYIFGADVQEWAKERKRL 401  
Db 361 FGRNRFVFLFAVNLGLLFLYIFGADVQEWAKERKRL 401

## RESULT 2

US-08-724-394A-11

Sequence 11, Application US/08724394A

Patent No. 5872237

## GENERAL INFORMATION:

APPLICANT: Feder, John N.

APPLICANT: Krommal, Gregory S.

APPLICANT: Lauer, Peter M.

APPLICANT: Ruddy, David A.

APPLICANT: Thomas, Winston

APPLICANT: Tsuchihashi, Zenta

APPLICANT: Wolff, Roger K.

TITLE OF INVENTION: Megabase Transcript Map: No. 5872237e1

TITLE OF INVENTION: Sequences and Antibodies Thereto

NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS:

ADDRESSER: TOWNSEND and TOWNSEND and CREW LLP

STREET: Two Embarcadero Center, 8th Floor

CITY: San Francisco

STATE: CA

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/724,394A

FILING DATE: 01-OCT-1996

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: Fitts, Renee A.

REGISTRATION NUMBER: 35,136

REFERENCE/DOCKET NUMBER: 017957-000100

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-576-0200

TELEFAX: 415-576-0300

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:

LENGTH: 480 amino acids

TYPE: amino acid

RELEVANCE: not relevant

REMARKS: not relevant

REMARKS: not relevant

REMARKS: not relevant

REMARKS: not relevant

REMARKS: not relevant

REMARKS: not relevant

REMARKS: not relevant

REMARKS: not relevant

MOLECULE TYPE: peptide

FEATURE:

NAME/KEY: Region

LOCATION: 1-480

OTHER INFORMATION: /note- "NP14"

US-08-724-394A-11

Query Match

Best Local Similarity 95.9%; Score 1991.5; DB 2; Length 480;

Matches 398; Conservative 1; Mismatches 2; Indels 79; Gaps 3;

QY 1 MOVDETLIPKVPKSLCSARYGIALVLHFCNFTTIAQVIMNITWAMVNSTSPQSOLNDS 60

Db 1 MOVDETLIPKVPKSLCSARYGIALVLHFCNFTTIAQVIMNITWAMVNSTSPQSOLNDS 60

QY 61 SE-----VLPVDSFGGLSKA 75

Db 61 SE-----VLPVDSFGGLSKA 120

QY 76 PKSLP-----AKSSILGGGFAIWERGPPQER 102

Db 121 PKSLP-----AKSSILGGGFAIWERGPPQER 180

QY 103 SRLCSIALSGMLLCFTAILIGGFISSETLGPWFVYIFGGVGCVCCLLWPFVYIYDDPVS 162

Db 181 SRLCSIALSGMLLCFTAILIGGFISSETLGPWFVYIFGGVGCVCCLLWPFVYIYDDPVS 240

QY 163 PWISTSEKEYIISLKKQVGSCKQPLPIKAMRLSLPWSICLGCFSHOWLSTWVVIPT 222

Db 241 PWISTSEKEYIISLKKQVGSCKQPLPIKAMRLSLPWSICLGCFSHOWLSTWVVIPT 300

QY 223 YLSSVYHVNIRDNGLLSALPFIWVYIYDDPVSYPWISTSEKEYIISLKKQ 281

Db 301 YLSSVYHVNIRDNGLLSALPFIWVYIYDDPVSYPWISTSEKEYIISLKKQ 360

QY 282 SSALIVSLPYLNSGYITATALLTSCGLSTLCSQSGIYINVLDAIPRYSSFLMGASRGFSS 341

Db 361 SSALIVSLPYLNSGYITATALLTSCGLSTLCSQSGIYINVLDAIPRYSSFLMGASRGFSS 420

QY 342 IAPVIVPTVSGFLLSQDPEFGWRNVFFLFAVNLGLLFLYIFGADVQEWAKERKRL 401

Db 421 IAPVIVPTVSGFLLSQDPEFGWRNVFFLFAVNLGLLFLYIFGADVQEWAKERKRL 480

## RESULT 3

US-08-805-118-3

Sequence 3, Application US/08805118

Patent No. 5985604

## GENERAL INFORMATION:

APPLICANT: Lal, Preeti

APPLICANT: Bandman, Olga

TITLE OF INVENTION: NOVEL HUMAN SODIUM-DEPENDENT

TITLE OF INVENTION: PHOSPHATE CO-TRANSPORTER

NUMBER OF SEQUENCES: 7

CORRESPONDENCE ADDRESS:

ADDRESSER: Incite Pharmaceuticals, Inc.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: CA

COUNTRY: US

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/805,118

FILING DATE: Filed Herewith

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DA  
ATTORNEY/AG  
NAME:  
PSC: B1

R56478  
ID R56478 standard; peptide; 12 AA.  
AC R56478;  
DE R56478 (first entry)  
KW Vitamin E transport protein fragment.  
OS Vitamin E; transport protein.  
PN Rattus rattus.  
PD J06025299-7.  
PF 01-FEB-1994. 148664.  
PR 23-MAY-1991; JP-148664.  
PA (EISA) EISA CO LTD.  
DR WPI: 94-071958/09.  
PT Vitamin-E-specific transport protein(s) - are effective  
PS Claim 1; Page 8; 8pp; Japanese.  
CC This is the partial sequence of a vitamin E transport protein. The  
CC transport protein also comprises the partial sequence described in  
CC R48297.  
SQ Sequence 12 AA;  
Query Match 1.7%; Score 7; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 2;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 49 NSTSPQS 55  
DB 3 NSTSPQS 9  
RESULT 5  
R15569  
ID R15569 standard; Protein; 20 AA.  
AC R15569;  
DE 02-MAR-1992 (first entry)  
KW Immunopeptide #2 derived from HPV16 E7 peptide.  
OS cervical cancer; cervical intraepithelial neoplasia; CIN; wart;  
PN squamous cell carcinoma; ELISA; HPV 16.  
OS Synthetic.  
PN WO9118294-A.  
PD 28-NOV-1991.  
PF 13-MAY-1991; SE0335.  
PR 11-MAY-1990; SE-001705.  
PA (MEDS-) MEDSCAND AB.  
PI Dillner J, Dillner L, Cheng HM;  
DR WPI: 91-369390/50.  
PT Diagnosis of human papilloma virus infection and PV-carrying  
PT tumours - using synthetic peptide(s) to detect virus specific  
PT antigen-antibody complexes by immunoassay  
PS Disclosure; Page 38; 72pp; English.  
CC This is one of two peptides which have been synthesised on the  
CC basis of the amino acid sequence for the E7 protein of HPV 16. The  
CC selection of peptide sequences was based on the assumption that an  
CC immunoreactive region might be situated in the same relative region  
CC of a protein from different HPV types. The peptides were used in  
CC diagnostic immunoassays to detect HPV-infection.  
CC See R15523-R15601.  
SQ Sequence 20 AA;

Query Match 1.7%; Score 7; DB 1; Length 20;  
Best Local Similarity 100.0%; Pred. No. 3.3;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 56 QLNDSSSE 62  
DB 11 QLNDSSSE 17

RESULT 6  
R31212  
ID R31212 standard; peptide; 29 AA.

R31212;  
AC 19-MAY-1993 (first entry)  
DE HPV-16 E7 peptide.  
KW Human papillomavirus; E7: epitope; cervical cancer; invasive;  
OS antigens; diagnostic; cytotoxic; tagged.  
PN Human papillomavirus type 16.  
PD EP-523391-A.  
PF 20-JAN-1993.  
PR 19-JUN-1992; 110367.  
PR 13-JUL-1991; EP-111720.  
PA (BEHM) BEHRINGER AG.  
PI Giesemann L, Mueller M;  
DR WPI: 93-019474/03.  
PT Use of HPV-16 E6 and E7-gene derived peptide(s) and their specific  
PT antibodies - for treatment and diagnosis of HPV-16  
PT associated invasive cervical cancer  
PS Disclosure; Page 7; 14pp; English.  
CC The peptide represents an epitope of the human papillomavirus type 16  
CC E7 protein, from amino acids 6-35. This epitope is useful as a  
CC target for diagnosis and imaging of HPV-associated cancers, such as  
CC invasive cervical cancer. Antibodies raised against this epitope,  
CC tagged with cytotoxic molecules, such as cholera toxin, have  
CC therapeutic potential.  
CC See also R31213-5.  
SQ Sequence 29 AA;

Query Match 1.7%; Score 7; DB 1; Length 29;  
Best Local Similarity 100.0%; Pred. No. 4.8;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 QLNDSSSE 62  
DB 21 QLNDSSSE 27  
RESULT 7  
W93288  
ID W93288 standard; peptide; 30 AA.  
AC W93288;  
DE 27-MAY-1999 (first entry)  
KW Human papillomavirus peptide fragment #2.  
OS Diagnosis; skin; immune reaction; onco-protein; E6; E7;  
PN Human papillomavirus.  
PD DE19737409-A1.  
PF 04-MAR-1999.  
PR 27-AUG-1997; 937409.  
PR 27-AUG-1997; DE-037409.  
PA (MEDI-) MEDIGENE AG.  
PI Hoefl R;  
DR WPI: 99-168276/15.  
PT Diagnosis kit for testing skin for immune reactions against  
PT onco-protein E6 and E7 - comprises onco-protein E6 and E7 and/or  
PT immunologically active parts of E6 and E7 derived from human  
PT papilloma virus  
PS Disclosure; Column 3; 4pp; German.  
CC This invention describes peptides used in a diagnosis kit for testing  
CC skin for immune reactions against onco-protein E6 and E7. The method  
CC of the invention comprises onco-protein E6 and E7 and/or immunologically  
CC active parts of E6 and E7 derived from human papilloma virus.  
SQ Sequence 30 AA;

Query Match 1.7%; Score 7; DB 1; Length 30;  
Best Local Similarity 100.0%; Pred. No. 4.9;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 56 QLNDSSSE 62  
DB 7 QLNDSSSE 13

RESULT 8